STIC Search Report
EIC 2100

STIC Database Tracking Number: 170412

TO: Mohammad A Siddiqi
Location: RND 4C21
Art Unit: 2154
Wednesday, November 02, 2005

Case Serial Number: 09/875814

From: Ruth E. Spink
Location: EIC 2100
RND-4B31
Phone: 23524

Ruth.spink@uspto.gov

Search Notes

Mohammad – Attached is the foreign patent and NPL search for the above referenced case. I tagged a few that I thought might be of particular interest. Be sure to let me know if you would like for me to refocus the search.

Ruth

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Set     Items   Description
S1      54925   POLICY OR POLICIES OR RULE? ?
S2        127   (CONFLICT? ? OR CONFLICTING OR CLASH?? OR CLASHING OR COLL-
                ISION? ? OR DISCORD)(3N)S1
S3        763   (MERGE?? OR MERGING OR COMBINE? ? OR COMBINATION OR COMBIN-
                ING OR INTO()ONE OR TOGETHER OR CONSOLIDATE? ? OR CONSOLIDATI-
                ON OR CONSOLIDATING)(3N)S1
S4          5   S2 AND S3
S5          5   IDPAT (sorted in duplicate/non-duplicate order)
S6          5   IDPAT (primary/non-duplicate records only)
S7         36   (RESOLVE? ? OR RESOLVING OR RESOLUTION? ? OR SOLVE? ? OR S-
                OLUTION OR SOLVING)(5N)S2
S8         34   S7 NOT S6
S9         34   IDPAT (sorted in duplicate/non-duplicate order)
S10        34   IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2005/Jun(Updated 051004)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200570
         (c) 2005  Thomson Derwent
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6/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015270621 **Image available**
WPI Acc No: 2003-331550/200331
XRPX Acc No: N03-265643
Conflict **handling method for** rules **in e-business, network-centric computing applications, involves employing** merge policy **to assimilate rulesets into merged rulesets represented in common core implemented in any logic program**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: CHAN H Y; GROSOF B N
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030023573	A1	20030130	US 2001916943	A	20010727	200331	B
US 6910028	B2	20050621	US 2001916943	A	20010727	200543	

Priority Applications (No Type Date): US 2001916943 A 20010727
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030023573	A1		12	G06N-005/02	
US 6910028	B2			G06N-005/02	

Abstract (Basic): US 20030023573 A1

NOVELTY - A **merge policy** (25) comprising specifications of partially ordered priorities and mutual-exclusion constraints, is provided for assimilating rulesets such as business polices to form a merged rulesets which is represented in a common core implemented in any logic program at any location. The potential **conflicts** among the **rules** , are resolved using a logic comprised in the merged rulesets.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) assimilator system for handling conflicts; and

(2) program storage device storing conflict handling program.

USE - For resolving **conflicts** between **rules** such as business policies in e-business and network-centric computing applications for personalization, marketing, contracts, negotiation, policy specifications, product specification, etc.

ADVANTAGE - Allows for exchange or merging of rulesets with different originating formats, thereby enabling the businesses to either resolve the conflicts, ignore them, change rulesets to solve conflicts or even facilitate a decision to refuse to do business together.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of the conflict handling process.

merge policy (25)

pp; 12 DwgNo 2/3

Title Terms: CONFLICT; HANDLE; METHOD; RULE; BUSINESS; NETWORK; CENTRE; COMPUTATION; APPLY; EMPLOY; MERGE; ASSIMILATE; MERGE; REPRESENT; COMMON; CORE; IMPLEMENT; LOGIC; PROGRAM
Derwent Class: T01
International Patent Class (Main): G06N-005/02
International Patent Class (Additional): G06F-017/00
File Segment: EPI

6/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014668805 **Image available**
WPI Acc No: 2002-489509/200252
Related WPI Acc No: 2002-179213; 2002-489096; 2003-119584
XRPX Acc No: N02-387011
Event handling method for computer system, involves resolving conflicting policies **by selecting preferred policy and including preferred** policy **in** merged policy **set**
Patent Assignee: HANCE H M (HANC-I); NOVIK L (NOVI-I); SANGHVI A J (SANG-I); SHAUDYS F E (SHAU-I)
Inventor: HANCE H M; NOVIK L; SANGHVI A J; SHAUDYS F E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020059471	A1	20020516	US 2000210347	P	20000607	200252 B
			US 2001875814	A	20010605	

Priority Applications (No Type Date): US 2000210347 P 20000607; US 2001875814 A 20010605
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020059471	A1		17	G06F-009/46	Provisional application US 2000210347

Abstract (Basic): US 20020059471 A1
NOVELTY - The conflicts existing between the multiple policies, are determined. The non- **conflicting policies** are added to a **merged policy** set. The **conflicting policies** are resolved by selecting a preferred policy and including the preferred **policy** in the **merged policy** set.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for
(1) An event handling apparatus; and
(2) Computer readable medium storing event handling program.
USE - For handling events in computer systems such as servers and desktop personal computers, handheld or laptop devices, multi-processor systems, microprocessor-based systems, network personal computers, mini computer, main frame computers, and also for programmable consumer electronics, gaming consoles, cellular telephones, etc.
ADVANTAGE - Provides a centralized architecture and procedure for managing event data, thereby improving access to the event data and reducing administrative tasks associated with event handling.
DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram explaining event handling procedure.
pp; 17 DwgNo 3/9
Title Terms: EVENT; HANDLE; METHOD; COMPUTER; SYSTEM; RESOLUTION; CONFLICT; SELECT; PREFER; PREFER; MERGE; SET
Derwent Class: T01
International Patent Class (Main): G06F-009/46
File Segment: EPI

6/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011101169 **Image available**
WPI Acc No: 1997-079094/199708
XRPX Acc No: N97-065670
Managing rule conflict **in active** rule **-based systems - implementing logical mega-rules to resolve ambiguities of relationships between rules among multiple triggered rules to determine ordered set of unambiguous system rules**
Patent Assignee: AT & T IPM CORP (AMTT); AT & T CORP (AMTT)
Inventor: JAGADISH H V; MENDELZON A O; MUMICK I S
Number of Countries: 005 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 743596	A2	19961120	EP 96303406	A	19960514	199708	B
CA 2176164	A	19961120	CA 2176164	A	19960509	199712	
EP 743596	A3	19970205	EP 96303406	A	19960514	199715	
JP 9114666	A	19970502	JP 96162290	A	19960520	199728	

Priority Applications (No Type Date): US 95446184 A 19950519
Cited Patents: 4.Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 743596	A2	E	15	G06F-009/44	
Designated States (Regional): DE FR GB					
JP 9114666	A		55	G06F-009/44	
CA 2176164	A			G06F-009/44	
EP 743596	A3			G06F-009/44	

Abstract (Basic): EP 743596 A
The method for implementing system rules in an active computer system in response to an event involves inputting one or more system rules from a set of system rules, inputting a set of meta-rules and processing the set of system rules by the set of meta-rules.
An ordered set of output rules derived from processing the system rules are output. The meta-rules may be positive requirement rules, uni-directional disabling rules, scheduling rules or preference rules. The meta-rules are used to determine if a rule will never execute, whether two **rules** can be executed **together** , and whether a **rule** system will have a unique execution set for all possible rules that become fireable.
USE/ADVANTAGE - Controlling interaction and execution of multiple rules that are triggered by same condition, for managing **rule conflicts** in active **rule** -based systems.
Dwg.1/4
Title Terms: MANAGE; RULE; CONFLICT; ACTIVE; RULE; BASED; SYSTEM; IMPLEMENT ; LOGIC; MEGA; RULE; RESOLUTION; AMBIGUOUS; RELATED; RULE; MULTIPLE; TRIGGER; RULE; DETERMINE; ORDER; SET; UNAMBIGUOUS; SYSTEM; RULE
Derwent Class: T01
International Patent Class (Main): G06F-009/44
File Segment: EPI

6/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008496806 **Image available**
WPI Acc No: 1991-000890/199101
XRPX Acc No: N91-000735

Fuzzy rule generator for control of object - has constraint imposing device consisting of manual input for modifying part of synthesised set of rules

Patent Assignee: OMRON CORP (OMRO)
Inventor: MATSUNAGA N; SHOJI K
Number of Countries: 015 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 403753	A	19901227	EP 90107256	A	19900417	199101	B
US 5179634	A	19930112	US 90509156	A	19900416	199305	
			US 92888435	A	19920528		
EP 403753	A3	19930120	EP 90107256	A	19900417	199346	
KR 9406917	B1	19940729	KR 905105	A	19900413	199619	
JP 8069379	A	19960312	JP 8995880	A	19890414	199620	
			JP 95103094	A	19890414		

Priority Applications (No Type Date): JP 89288219 A 19891106; JP 8995880 A 19890414; JP 8998358 A 19890418; JP 95103094 A 19890414
Cited Patents: NoSR.Pub; 4.Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 403753	A				
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL SE					
US 5179634	A		27	G05B-011/00	Cont of application US 90509156
JP 8069379	A		5	G06F-009/44	Div ex application JP 8995880
KR 9406917	B1			G06F-009/44	

Abstract (Basic): EP 403753 A

The fuzzy rule generator selects two or more sets of rules from a number of basic sets of rules and generates a new set of rules by carrying out a synthetic arithmetic operation based on a predetermined set of rules for synthesis. A memory stores the basic sets of rules. The synthetic arithmetic operation consists of addition.

The synthetic arithmetic operation consists of subtraction. The rule generator is provided with a function to modify one of the basic sets of rules according to a prescribed rule when the basic sets of **rules** include **conflicting rules** .

ADVANTAGE - Ensures generation of rational sets of fuzzy video free from **conflicting** fuzzy **rules** . (28pp Dwg.No.26)

Title Terms: FUZZ; RULE; GENERATOR; CONTROL; OBJECT; CONSTRAIN; IMPOSE; DEVICE; CONSIST; MANUAL; INPUT; MODIFIED; PART; SYNTHESIS; SET; RULE
Derwent Class: T01; T06
International Patent Class (Main): G05B-011/00; G06F-009/44
File Segment: EPI

10/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016947406 **Image available**
WPI Acc No: 2005-271714/200528
Related WPI Acc No: 2005-098315
XRPX Acc No: N05-223173
Common open policy communication method for computer network, involves transmitting policy to non-common open policy service enabled network device using appropriate protocol after resolving conflicts **raised during** policy **generation**
Patent Assignee: MCCLOGHRIE K (MCCL-I); MOHABAN S (MOHA-I); PARNAFES I (PARN-I)
Inventor: MCCLOGHRIE K; MOHABAN S; PARNAFES I
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20050060393	A1	20050317	US 2000482326	A	20000114	200528	B
			US 2004960162	A	20041006		

Priority Applications (No Type Date): US 2000482326 A 20000114; US 2004960162 A 20041006
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050060393	A1		13	G06F-015/177	Cont of application US 2000482326 Cont of patent US 6839766

Abstract (Basic): US 20050060393 A1
NOVELTY - The method involves receiving the data related to non-common open policy service (COPS) enabled network device (108) and the policy data that is configured using COPS protocol. The policy is generated based on the policy data and the role data of non-COPS enabled network device. The generated policy is transmitted to the network device using appropriate protocols after resolving the conflicts raised during generation.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(1) recorded medium storing common open policy communication program;
(2) common open policy communicating system.
USE - For communicating common open policy (COP) for computer network e.g. local area network (LAN).
ADVANTAGE - Greater standardization, securely and scalability are realized by minimizing the network complexity and maximizing network efficiency.
DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of the computer network.
network (100)
policy system (102)
proxy (104)
COPS-enabled network device (106)
non-COPS enabled network device (108)
pp; 13 DwgNo 1/5
Title Terms: COMMON; OPEN; COMMUNICATE; METHOD; COMPUTER; NETWORK; TRANSMIT; NON; COMMON; OPEN; SERVICE; ENABLE; NETWORK; DEVICE; APPROPRIATE; PROTOCOL; AFTER; RESOLUTION; RAISE; GENERATE
Derwent Class: T01; W01
International Patent Class (Main): G06F-015/177
File Segment: EPI

10/5/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016877687 **Image available**
WPI Acc No: 2005-201970/200521
Related WPI Acc No: 2005-211858; 2005-233341; 2005-262850
XRPX Acc No: N05-166244
Conflicts handling method for use in peer-to-peer synchronization system, involves automatically resolving **conflict according to** conflict resolution policy **specifying specific handler**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: HUDIS I; JHAVERI V J; NOVIK L; SHAH A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050044187	A1	20050224	US 2003646646	A	20030821	200521 B
			US 2004883621	A	20040630	

Priority Applications (No Type Date): US 2004883621 A 20040630; US 2003646646 A 20030821
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050044187	A1		84	G06F-015/16	CIP of application US 2003646646

Abstract (Basic): US 20050044187 A1

NOVELTY - The method involves identifying a conflict (3902), and representing the conflict as a unit of data storable in a data store for resolution of the conflict by a peer-to-peer synchronization system. The conflict item is logged in a durable data store for later resolution of the conflict by the system. The conflict is automatically **resolved** according to a **conflict resolution policy** specifying a specific handler (3912).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a system for handling conflicts in a peer-to-peer synchronization system

(B) a computer-readable medium comprising computer-readable instructions for handling conflicts in a peer-to-peer synchronization system.

USE - Used for handling conflicts in a peer-to-peer synchronization system.

ADVANTAGE - The method correctly and efficiently handles conflicts, thus minimizing data loss while retaining good usability, and reducing the need for user intervention during synchronization.

DESCRIPTION OF DRAWING(S) - The drawing shows an illustration of a conflict handling pipeline.

Conflict (3902)
Handler (3912)
Resolver (3922)
Conflict handler list (3932)
Logger (3944)
pp; 84 DwgNo 39A/40

Title Terms: HANDLE; METHOD; PEER; PEER; SYNCHRONISATION; SYSTEM; AUTOMATIC ; RESOLUTION; CONFLICT; ACCORD; CONFLICT; RESOLUTION; SPECIFIED; SPECIFIC ; HANDLE
Derwent Class: T01; W01
International Patent Class (Main): G06F-015/16
File Segment: EPI

10/5/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016798597 **Image available**
WPI Acc No: 2005-122876/200513
XRPX Acc No: N05-106002
Advanced rule set creation and management method involves identifying resolution to conflict existing between rules for routing, filtering and storing messages, if severity level associated with conflict is below preset threshold
Patent Assignee: EVANS D (EVAN-I); JOHN T (JOHN-I); MATHEW B (MATH-I); SONOLINK COMMUNICATIONS SYSTEMS LLC (SONO-N)
Inventor: EVANS D; JOHN T; MATHEW B
Number of Countries: 108 Number of Patents: 014
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200508432	A2	20050127	WO 2004US22574	A	20040712	200513	B
US 20050055433	A1	20050310	US 2003486166	P	20030711	200519	
			US 2004889711	A	20040712		
US 20050060638	A1	20050317	US 2003486166	P	20030711	200521	
			US 2004889709	A	20040712		
US 20050068980	A1	20050331	US 2003486166	P	20030711	200524	
			US 2004889688	A	20040712		
			US 2004889689	A	20040712		
			US 2004889708	A	20040712		
			US 2004889709	A	20040712		
			US 2004889992	A	20040712		
			US 2004930151	A	20040830		
US 20050074113	A1	20050407	US 2003486166	P	20030711	200525	
			US 2004889688	A	20040712		
			US 2004889689	A	20040712		
			US 2004889708	A	20040712		
			US 2004889709	A	20040712		
			US 2004889992	A	20040712		
			US 2004930260	A	20040830		
US 20050076095	A1	20050407	US 2003486166	P	20030711	200525	
			US 2004889708	A	20040712		
US 20050076109	A1	20050407	US 2003486166	P	20030711	200525	
			US 2004889688	A	20040712		
US 20050076110	A1	20050407	US 2003486166	P	20030711	200525	
			US 2004889689	A	20040712		
US 20050063365	A1	20050324	US 2003486166	P	20030711	200526	
			US 2004889992	A	20040712		
US 20050083915	A1	20050421	US 2003486166	P	20030711	200528	
			US 2004889688	A	20040712		
			US 2004889689	A	20040712		
			US 2004889708	A	20040712		
			US 2004889709	A	20040712		
			US 2004889992	A	20040712		
			US 2004930262	A	20040830		
US 20050108341	A1	20050519	US 2003486166	P	20030711	200534	
			US 2004889688	A	20040712		
			US 2004889689	A	20040712		
			US 2004889708	A	20040712		
			US 2004889709	A	20040712		
			US 2004889992	A	20040712		
			US 2004956244	A	20041001		
US 20050114456	A1	20050526	US 2003486166	P	20030711	200535	
			US 2004889688	A	20040712		
			US 2004889689	A	20040712		
			US 2004889708	A	20040712		
			US 2004889709	A	20040712		
			US 2004889992	A	20040712		
			US 2004956692	A	20041001		

US 20050114462 A1 20050526 US 2003486166 P 20030711 200535
US 2004889688 A 20040712
US 2004889689 A 20040712
US 2004889708 A 20040712
US 2004889709 A 20040712
US 2004889992 A 20040712
US 2004956245 A 20041001
US 20050172033 A1 20050804 US 2003486166 P 20030711 200552
US 2004889688 A 20040712
US 2004889689 A 20040712
US 2004889708 A 20040712
US 2004889709 A 20040712
US 2004889992 A 20040712
US 2004930879 A 20040830

Priority Applications (No Type Date): US 2003486166 P 20030711; US 2004889711 A 20040712; US 2004889709 A 20040712; US 2004889688 A 20040712 ; US 2004889689 A 20040712; US 2004889708 A 20040712; US 2004889992 A 20040712; US 2004930151 A 20040830; US 2004930260 A 20040830; US 2004930262 A 20040830; US 2004956244 A 20041001; US 2004956692 A 20041001 ; US 2004956245 A 20041001; US 2004930879 A 20040830

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200508432 A2 E 92 G06F-000/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

US 20050055433 A1 G06F-015/173 Provisional application US 2003486166

US 20050060638 A1 G06F-017/00 Provisional application US 2003486166

US 20050068980 A1 H04J-015/00 Provisional application US 2003486166

Cont of application US 2004889688
Cont of application US 2004889689
Cont of application US 2004889708
Cont of application US 2004889709
Cont of application US 2004889992

US 20050074113 A1 H04M-003/00 Provisional application US 2003486166

Cont of application US 2004889688
Cont of application US 2004889689
Cont of application US 2004889708
Cont of application US 2004889709
Cont of application US 2004889992

US 20050076095 A1 G06F-015/16 Provisional application US 2003486166

US 20050076109 A1 G06F-015/173 Provisional application US 2003486166

US 20050076110 A1 G06F-015/16 Provisional application US 2003486166

US 20050063365 A1 H04L-012/66 Provisional application US 2003486166

US 20050083915 A1 H04L-012/66 Provisional application US 2003486166

Cont of application US 2004889688
Cont of application US 2004889689
Cont of application US 2004889708
Cont of application US 2004889709
Cont of application US 2004889992

US 20050108341 A1	G06F-015/16	Provisional application US 2003486166
		Cont of application US 2004889688
		Cont of application US 2004889689
		Cont of application US 2004889708
		Cont of application US 2004889709
		Cont of application US 2004889992
US 20050114456 A1	G06F-015/16	Provisional application US 2003486166
		Cont of application US 2004889688
		Cont of application US 2004889689
		Cont of application US 2004889708
		Cont of application US 2004889709
		Cont of application US 2004889992
US 20050114462 A1	G06F-015/16	Provisional application US 2003486166
		Cont of application US 2004889688
		Cont of application US 2004889689
		Cont of application US 2004889708
		Cont of application US 2004889709
		Cont of application US 2004889992
US 20050172033 A1	G06F-015/16	Provisional application US 2003486166
		Cont of application US 2004889688
		Cont of application US 2004889689
		Cont of application US 2004889708
		Cont of application US 2004889709
		Cont of application US 2004889992

Abstract (Basic): WO 200508432 A2

NOVELTY - The rules for routing, filtering and storing messages and documents, are evaluated to determine whether **conflict** exists between the **rules** . The **resolution** to the conflict is identified, if the severity level associated with the conflict is below predetermined threshold.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) system for creating and managing advanced rule set within integrated virtual workspace; and

(2) machine-readable medium storing program for creating and managing advanced rule set within integrated virtual workspace.

USE - For creating and managing advanced set of rules for routing, filtering and storing document and messages especially patient care related message created by computers, facsimile, wired phone, wireless phone, personal digital assistant (PDA), and pager, within integrated virtual workspace.

ADVANTAGE - Permits user to specify rules for notification of messages and documents.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of various functional platforms in workspace system.

pp; 92 DwgNo 1/24

Title Terms: ADVANCE; RULE; SET; CREATION; MANAGEMENT; METHOD; IDENTIFY; RESOLUTION; CONFLICT; EXIST; RULE; ROUTE; FILTER; STORAGE; MESSAGE; SEVERE; LEVEL; ASSOCIATE; CONFLICT; BELOW; PRESET; THRESHOLD

Derwent Class: T01

International Patent Class (Main): G06F-000/00; G06F-015/16; G06F-015/173; G06F-017/00; H04J-015/00; H04L-012/66; H04M-003/00

File Segment: EPI

10/5/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016509059 **Image available**
WPI Acc No: 2004-667339/200465
XRPX Acc No: N04-528544

Rule conflicts resolving **method in network services, involves assigning priorities to network service rules in set of network service rules, based on determined priority relationship between pair of conflicting rules**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM); PALCHAUDHURI S (PALC-I); ROM R J (ROMR-I); SCHUBA C L (SCHU-I); SPEER M F (SPEE-I)
Inventor: PALCHAUDHURI S; ROM R J; SCHUBA C L; SPEER M F

Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040177139	A1	20040909	US 2003379031	A	20030303	200465 B
GB 2399725	A	20040922	GB 20044294	A	20040226	200465
GB 2399725	B	20051005	GB 20044294	A	20040226	200565

Priority Applications (No Type Date): US 2003379031 A 20030303
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040177139	A1		23	G06F-015/173	
GB 2399725	A			H04Q-003/00	
GB 2399725	B			H04Q-003/00	

Abstract (Basic): US 20040177139 A1

NOVELTY - The conflicts between the network service rules are resolved, based on the priorities assigned to network service rules in the set of network service rules by determining priority relationship between each pair of conflicting network service rules.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) computer readable storage medium storing instructions for **resolving conflicts** between **rules** ; and

(2) apparatus for **resolving conflicts** between **rules** .

USE - For **resolving** the **conflicts** between the **rules** for network services such as firewall service, service level agreement monitoring service, load balancing service, transport matching service, fail over service and high availability service.

ADVANTAGE - The packet flows received at high transfer rates are managed easily by using simple technique for resolving the conflicts.

DESCRIPTION OF DRAWING(S) - DESCRIPTION OF DRAWING - The figure shows the flowchart illustrating the operation of the flow manager.

pp; 23 DwgNo 6/13

Title Terms: RULE; RESOLUTION; METHOD; NETWORK; SERVICE; ASSIGN; PRIORITY; NETWORK; SERVICE; RULE; SET; NETWORK; SERVICE; RULE; BASED; DETERMINE; PRIORITY; RELATED; PAIR; CONFLICT; RULE
Derwent Class: T01
International Patent Class (Main): G06F-015/173; H04Q-003/00
International Patent Class (Additional): H04L-012/56
File Segment: EPI

10/5/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016459788 **Image available**
WPI Acc No: 2004-617711/200460
XRPX Acc No: N04-488613

Network data processing device for simulating network traffic treatment, has rule engine accessing database to extract and implement policy rules for simulating traffic flow between designated network units in presence of service

Patent Assignee: ALCATEL (COGE)
Inventor: KOOPS M
Number of Countries: 006 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1450511	A1	20040825	EP 2003290387	A	20030218	200460	B
US 20040221177	A1	20041104	US 2004778198	A	20040217	200473	

Priority Applications (No Type Date): EP 2003290387 A 20030218
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1450511	A1	E	10	H04L-012/24	
Designated States (Regional): AL LT LV MK RO					
US 20040221177 A1				H04L-009/00	

Abstract (Basic): EP 1450511 A1

NOVELTY - The device has a rule engine (6) that designs an ingress and an egress network unit e.g. router, on receiving an input data. The engine designs a service to be implemented by the designated network units, on receiving another data. The engine accesses a database to extract policy rules and implement them in order to simulate the traffic flow between the designated network units in presence of the service.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a policy server for a network having network units

(b) a method of processing data relating to a network comprising network units.

USE - Used for simulating network traffic treatment for different types of data flows.

ADVANTAGE - The device provides policy **rule** validation, simulation and **conflict** detection, and for **solving** conflict. The conflict detection and resolution is done off-line, hence a reprovisioning and service interruption is not required and as a result there is no influence on the real-time network behavior. The rule engine delivers a detailed report or message to the work supervisor for each traffic treatment simulated on each concerned network unit, thereby detecting the policy **rule** that **solves** the **conflict** in an easier manner.

DESCRIPTION OF DRAWING(S) - The drawing shows a network data processing device.

Database (DB)
Network data processing device (1)
Network policy server (2)
Network policy manager (3)
Rule engine (6)
pp; 10 DwgNo 1/1

Title Terms: NETWORK; DATA; PROCESS; DEVICE; SIMULATE; NETWORK; TRAFFIC; TREAT; RULE; ENGINE; ACCESS; DATABASE; EXTRACT; IMPLEMENT; RULE; SIMULATE ; TRAFFIC; FLOW; DESIGNATED; NETWORK; UNIT; PRESENCE; SERVICE
Derwent Class: T01; W01
International Patent Class (Main): H04L-009/00; H04L-012/24
File Segment: EPI

10/5/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015998022 **Image available**
WPI Acc No: 2004-155872/200415
XRPX Acc No: N04-124771

Mid-tier server conflict detection and resolution providing method for multi-tier client-server communication system, involves defining client/mid-tier and mid-tier/server conflict resolution look-up tables to execute action rules

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: WANG A I
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040019614	A1	20040129	US 2002205046	A	20020724	200415	B

Priority Applications (No Type Date): US 2002205046 A 20020724
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040019614	A1		14	G06F-017/30	

Abstract (Basic): US 20040019614 A1

NOVELTY - The method involves defining a client/mid-tier conflict resolution look-up table that lists all conflict states in a client/mid-tier environment and corresponding action rules. A mid-tier/server conflict **resolution** look-up table listing the **conflict** states and action **rules** in the corresponding environment is defined. The corresponding action rule is found and executed for any detected conflict state.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a mid-tier based conflict detection and resolution system

(b) a computer usable medium embodying a program of instructions executable by a computer to perform a method of providing conflict detection and resolution of a mid-tier server in a multi-tier client-server communication system.

USE - Used for providing conflict detection and resolution of a mid-tier server in a multi-tier client-server communication system.

ADVANTAGE - The method optimizes the detection of all possible client/mirror and server/mirror synchronization conflicts to provide a complete conflict resolution in a multi-tier client server messaging system.

DESCRIPTION OF DRAWING(S) - The drawing shows a data flow and interactions between a personal information module (PIM) Adapter, PIM Replicate service and PIM Replicator.

pp; 14 DwgNo 2/5

Title Terms: MID; TIER; SERVE; CONFLICT; DETECT; RESOLUTION; METHOD; MULTI; TIER; CLIENT; SERVE; COMMUNICATE; SYSTEM; DEFINE; CLIENT; MID; TIER; MID; TIER; SERVE; CONFLICT; RESOLUTION; UP; TABLE; EXECUTE; ACTION; RULE
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

10/5/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015707719 **Image available**
WPI Acc No: 2003-769919/200373
XRPX Acc No: N03-616834

Computer network management system has policy managing unit that implements conflict management policy

Patent Assignee: BRITISH TELECOM PLC (BRTE); FISHER M A (FISH-I); RANA S P (RANA-I)
Inventor: FISHER M A; MCKEE P F; RANA S P
Number of Countries: 033 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1349316	A1	20031001	EP 2002252227	A	20020327	200373 B
WO 200384130	A1	20031009	WO 2003GB1331	A	20030327	200376
EP 1495580	A1	20050112	EP 2003710020	A	20030327	200504
			WO 2003GB1331	A	20030327	
US 20050172015	A1	20050804	WO 2003GB1331	A	20030327	200552
			US 2004507897	A	20040917	

Priority Applications (No Type Date): EP 2002252227 A 20020327
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1349316	A1	E	19	H04L-012/24	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
WO 200384130	A1	E		H04L-012/24	
Designated States (National): CA US					
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR					
EP 1495580	A1	E		H04L-012/24	Based on patent WO 200384130
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR					
US 20050172015	A1			G06F-015/16	

Abstract (Basic): EP 1349316 A1

NOVELTY - A policy-based managing unit implements conflict management policy in extensible markup language (XML).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) conflicts managing method;
(2) computer network manager;
(3) computer network;
(4) computer network managing program;
(5) computer readable medium storing computer network managing program; and
(6) computer.

USE - For managing computer network for distributed computer system.

ADVANTAGE - The **conflicts** between the **policies** are easily detected and **resolved** .

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory view of management agent.

policy manager (70)
policy handler (92)
event handler (94)
policies (96)
event log (97)
pp; 19 DwgNo 5/13

Title Terms: COMPUTER; NETWORK; MANAGEMENT; SYSTEM; MANAGE; UNIT; IMPLEMENT ; CONFLICT; MANAGEMENT

10/5/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014997671 **Image available**
WPI Acc No: 2003-058186/200305
XRPX Acc No: N03-045202
Target machines optimization method e.g. for processors, involves **generating hypothetical machine based on abstracted rules of instructions scheduling for target machines of different processors**
Patent Assignee: SUN MICROSYSTEMS INC (SUNM)
Inventor: RAJAGOPALAN M; TIRUMALAI P P
Number of Countries: 100 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020144247	A1	20021003	US 2001823207	A	20010330	200305	B
WO 200279982	A1	20021010	WO 2002US9391	A	20020325	200305	
AU 2002255934	A1	20021015	AU 2002255934	A	20020325	200432	

Priority Applications (No Type Date): US 2001823207 A 20010330
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020144247	A1		12	G06F-009/45	
WO 200279982	A1	E		G06F-009/45	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 2002255934	A1			G06F-009/45	Based on patent WO 200279982

Abstract (Basic): US 20020144247 A1
NOVELTY - The rules of instructions scheduling for machines of different processors such as the target processor (114) are abstracted. A hypothetical machine that is the restrictive or constraining set of the actual machines, is generated, based on the abstracted rules. The hypothetical machine is then targeted. A **conflict** between the abstracted **rules** of instructions is detected and **resolved** by selecting less damaging option of the detected conflict.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for target machines optimization apparatus.
USE - For optimizing compilers attempt to generate codes for multiple target machines such as processors.
ADVANTAGE - By creating a hypothetical machine that incorporates the features of all target machines, an optimal compiler design is achieved that optimizes the codes targeting multiple machines without sacrificing the performance of any of the target machines.
DESCRIPTION OF DRAWING(S) - The figure shows the computer network in which optimization of target machines is practiced.
Target processor (114)
pp; 12 DwgNo 1/5
Title Terms: TARGET; MACHINE; OPTIMUM; METHOD; PROCESSOR; GENERATE; HYPOTHESIS; MACHINE; BASED; ABSTRACT; RULE; INSTRUCTION; SCHEDULE; TARGET ; MACHINE; PROCESSOR
Derwent Class: T01
International Patent Class (Main): G06F-009/45
File Segment: EPI

10/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014686209 **Image available**
WPI Acc No: 2002-506913/200254
XRPX Acc No: N02-401084
Network management method for home, office, involves resolving conflict **identified in** policies **, by modifying one or more of variables, values or restrictions**
Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)
Inventor: CHU C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6393473	B1	20020521	US 98215393	A	19981218	200254	B

Priority Applications (No Type Date): US 98215393 A 19981218
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6393473	B1		17	G06F-015/177	

Abstract (Basic): US 6393473 B1
NOVELTY - A collective constraint is stored in association with policy constraint, and a constraint satisfaction algorithm is applied to constraint to determine solution. A conflict is identified in the policies, when constraints or collective constraints are violated by addition of solution, and the conflict is resolved by modifying one or more of variables, values or restrictions.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:
(1) Policy based network management system;
(2) Computer readable medium storing sequence of instructions for managing network.
USE - For managing computer networks used in home, office and industrial environment.
ADVANTAGE - The network failure is prevented by **resolving conflicts** in **policies** .
DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of process of **resolving conflicts** in network management **policies** .
pp; 17 DwgNo 2A/3
Title Terms: NETWORK; MANAGEMENT; METHOD; HOME; OFFICE; RESOLUTION; CONFLICT; IDENTIFY; MODIFIED; ONE; MORE; VARIABLE; VALUE; RESTRICT
Derwent Class: T01; W01

10/5/18 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014549516 **Image available**
WPI Acc No: 2002-370219/200240
XRPX Acc No: N02-289136
Network management policy method for resolving policy conflicts **recognizes and processes conflict occurrence based on Boolean expressions**
Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)
Inventor: AHLSTROM J K; SCHLEIMER S I
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6327618	B1	20011204	US 98205831	A	19981203	200240	B

Priority Applications (No Type Date): US 98205831 A 19981203
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6327618	B1		16	G06F-015/173	

Abstract (Basic): US 6327618 B1
NOVELTY - The method can be implemented as a policy verifier. Each policy is formally defined (234) and comprises a condition and a result, each of which are defined in terms of component elements. When a **policy conflict** is detected, the conflict is **resolved** by bringing it to the attention of a user or external system, and receiving information that corrects one of the policies or specifies a precedence relationship among the policies.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following;
(1) A method of recognizing and **resolving conflicts** between network management **policies** ,
(2) A computer program for recognizing and **resolving conflicts** between network management **policies** ,
(3) A system for recognizing and **resolving conflicts** between network management **policies** using a set of tests,
USE - The method and system recognizes and processes conflicts in policies that govern a policy-based network management system.
ADVANTAGE - The system and method provides a way to recognize a policy conflict and provides a way for an administrator or other user of the system to **resolve** the **policy conflict** before the **conflicting policies** damage the system under management.
DESCRIPTION OF DRAWING(S) - The flow diagram represents a process of verifying a network management policy.
Policy definition (234)
pp; 16 DwgNo 2a/3
Title Terms: NETWORK; MANAGEMENT; METHOD; RESOLUTION; RECOGNISE; PROCESS; CONFLICT; OCCUR; BASED; BOOLEAN; EXPRESS
Derwent Class: T01; W01
International Patent Class (Main): G06F-015/173
File Segment: EPI

10/5/19 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011526950 **Image available**
WPI Acc No: 1997-503436/199746
Related WPI Acc No: 1996-402618; 1999-010150; 2002-478353; 2002-680906
XRPX Acc No: N97-419600

Enforceable policy determining system e.g. for network device - has computer readable medium encoded with data structure comprising policy space including domain elements representing network devices and groups with rule elements defining actions and executable methods having rule elements

Patent Assignee: CABLETRON SYSTEMS INC (CABL-N)
Inventor: AGGARWAL A; DEV R; IBE O; KAIKINI P; LEWIS L; MALIK R; RUSTICI E; SCOTT W; SYCAMORE S; THEBAUT S; WOHLERS T
Number of Countries: 076 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9737477	A2	19971009	WO 97US5317	A	19970328	199746	B
AU 9725569	A	19971022	AU 9725569	A	19970328	199808	
EP 890240	A2	19990113	EP 97917143	A	19970328	199907	
			WO 97US5317	A	19970328		
US 5889953	A	19990330	US 95450854	A	19950525	199920	
			US 96622866	A	19960329		
AU 719918	B	20000518	AU 9725569	A	19970328	200032	

Priority Applications (No Type Date): US 96622866 A 19960329; US 95450854 A 19950525
Cited Patents: No-SR.Pub
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9737477	A2	E	51	H04L-029/06	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9725569	A		H04L-029/06	Based on patent WO 9737477
EP 890240	A2	E	H04L-012/24	Based on patent WO 9737477

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

US 5889953	A	G06F-013/14	CIP of application US 95450854
AU 719918	B	H04L-029/06	Previous Publ. patent AU 9725569 Based on patent WO 9737477

Abstract (Basic): WO 9737477 A

The system comprises an enforceable policy for one or more network devices and has a computer readable medium encoded with a data structure comprising policy space (15). The space includes domain elements (12) which represent network devices with rule elements (14) defining actions.

The rule elements are attached to the domain elements to create **policies** . **Conflicts** which exist between **policies** are determined. The policies are **resolved** to produce enforceable policies.

USE/ADVANTAGE - E.g. relates to **policy** management and **conflict resolution** in computer networks. Controls, simplifies and or automates various aspects of network management to control cost of maintaining network and its use.

Dwg.1/15

Title Terms: DETERMINE; SYSTEM; NETWORK; DEVICE; COMPUTER; READ; MEDIUM; ENCODE; DATA; STRUCTURE; COMPRISE; SPACE; DOMAIN; ELEMENT; REPRESENT; NETWORK; DEVICE; GROUP; RULE; ELEMENT; DEFINE; ACTION; EXECUTE; METHOD; RULE; ELEMENT

10/5/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009942632 **Image available**
WPI Acc No: 1994-210345/199426
XRPX Acc No: N94-165654
Processing request subject to conflicting policies e.g. security - automatically establishing which policies apply to received request and determining which attributes are relevant to applicable policies, and deciding policy result for submission to metapolicy function
Patent Assignee: DATA SECURITY INC (DATA-N)
Inventor: HOSMER H H
Number of Countries: 017 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 605106	A1	19940706	EP 93309546	A	19931130	199426 B

Priority Applications (No Type Date): US 92985845 A 19921203
Cited Patents: 2.Jnl.Ref; EP 398645; EP 421409; JP 1161536; US 5197116
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 605106	A1	E	19	G06F-001/00	

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic): EP 605106 A

The method processes a request (30), subject to conflicting policies. Policies (36,38,40) responsive to attributes are stored on a computer storage media, together with metapolicy functions (50) including rules for deciding conflicts between policies.

Requests subject to one or more policies are input to the computer and the policies relating to the request are established. The attributes (34) relevant to the applicable policies are established.

Each policy which applies to the request is processed to decide a policy result in response to the request according to the attributes. The policy results are submitted to the metapolicy **rules** for **resolving** any **conflict** and determining which **policy** result prevails.

ADVANTAGE - Allows incorporation of multiple security goals, for e.g. confidentiality, privacy, availability and integrity. Serves multiple independent authorities each implementing different individual priorities and values. Flexible and adaptable. Does not require integration of diverse policies.

Dwg.2/12

Title Terms: PROCESS; REQUEST; SUBJECT; CONFLICT; SECURE; AUTOMATIC; ESTABLISH; APPLY; RECEIVE; REQUEST; DETERMINE; ATTRIBUTE; RELEVANT; APPLY ; DECIDE; RESULT; FUNCTION
Derwent Class: T01
International Patent Class (Main): G06F-001/00
File Segment: EPI

10/5/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009423593 **Image available**
WPI Acc No: 1993-117109/199314
XRPX Acc No: N93-089291
Rule conflict resolution **method for knowledge based system - having rule for each instantiation executed in accordance with action clause and evaluating results by evaluation knowledge**
Patent Assignee: HITACHI LTD (HITA)
Inventor: KATOH N; MOGAKI M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5197116	A	19930323	US 90548075	A	19900705	199314	B

Priority Applications (No Type Date): JP 89175467 A 19890710
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5197116	A		18	G06F-015/18	

Abstract (Basic): US 5197116 A

The knowledge based method involves rules constructed of ''IF condition clause, THEN action clause'', a working memory for storing a data describing an inference object to which a rule is applied, and an inference engine, in selecting one instantiation from a conflict set, rule for each instantiation is executed in accordance with the action clause of the rule. The execution results are evaluated by using an evaluation knowledge, and the evaluation results are compared to select the instantiation having a higher evaluation value. The data changed by the rule execution process for an instantiation aborted after the evaluation is recovered to the original state.

In selecting one instantiation from a conflict set, a rule for each instantiation is executed in accordance with the action clause of the rule, the execution results are evaluated by using an evaluation knowledge, and the instantiation is selected which has a higher evaluation value.

USE/ADVANTAGE - for placement of elements and interconnections within semiconductor integrated circuit. Results of rule, resulting in efficient inference ultimately reaching desired goal.

Dwg.1/13
Title Terms: RULE; CONFLICT; RESOLUTION; METHOD; BASED; SYSTEM; RULE; EXECUTE; ACCORD; ACTION; EVALUATE; RESULT; EVALUATE
Derwent Class: T01; U11
International Patent Class (Main): G06F-015/18
File Segment: EPI

10/5/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO

08190483 **Image available**
SECURITY ATTRIBUTES OF NODES IN TRUSTED COMPUTING SYSTEMS

PUB. NO.: 2004-303243 [JP 2004303243 A]
PUBLISHED: October 28, 2004 (20041028)
INVENTOR(s): WRAY MICHAEL JOHN
APPLICANT(s): HEWLETT-PACKARD DEVELOPMENT CO LP
APPL. NO.: 2004-088737 [JP 200488737]
FILED: March 25, 2004 (20040325)
PRIORITY: 03 200307190 [GB 20037190], GB (United Kingdom), March 28, 2003 (20030328)
INTL CLASS: G06F-012/00; G06F-012/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system and method for **resolving** a **rule conflict** within a security **policy** applied to a trusted computing platform.

SOLUTION: A file set to which each of conflicting rules v and s refers (or "scope") is determined (step 10). It is then determined (at step 12) if the scope of one of the rules s is a complete subset of the scope of the rule r. If so, the rule s is applied to an accessed file f (at step 14). If not, the conflict is resolved in another way, for example, by determining the most restrictive of rules r and s (at step 16) and applying the result accordingly (step 18).

10/5/27 (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO

07524325 **Image available**
VPN OPERATION CONTROLLER

PUB. NO.: 2003-018156 [JP 2003018156 A]
PUBLISHED: January 17, 2003 (20030117)
INVENTOR(s): HARADA MICHIAKI
APPLICANT(s): MITSUBISHI ELECTRIC CORP
APPL. NO.: 2001-196390 [JP 2001196390]
FILED: June 28, 2001 (20010628)
INTL CLASS: H04L-012/24; H04L-012/56

ABSTRACT

PROBLEM TO BE SOLVED: To enhance safety and enhance the operating efficiency of an administrator by automatically conducting the collision detection and collision resolution of a plurality of security rules.

SOLUTION: A VPN operation controller, which performs operation setting of a VPN device, is equipped with a security rule collision detecting means 108 which detects the security rules colliding with each other between pieces of VPN utilization contract information, based on the overlapping of VPN contract information DB103, having recorded the VPN use contract information which has security rules including traffic conditions and security conditions and the traffic conditions in the plural security rules, and a security **rule collision resolving** means 109, which creates a new security rule having traffic conditions which have absorbed overlapping of the traffic conditions and security conditions, having absorbed the security conditions, in conformity to the colliding security rules.

10/5/29 (Item 29 from file: 347)
DIALOG(R)File 347:JAPIO

07334376 **Image available**
UNIT AND METHOD FOR PRINT CONTROL AND STORAGE MEDIUM

PUB. NO.: 2002-202865 [JP 2002202865 A]
PUBLISHED: July 19, 2002 (20020719)
INVENTOR(s): KAWAMOTO KOICHI
APPLICANT(s): CANON INC
APPL. NO.: 2000-401218 [JP 2000401218]
FILED: December 28, 2000 (20001228)
INTL CLASS: G06F-003/12; B41J-029/38

ABSTRACT

PROBLEM TO BE SOLVED: To actualize more accurate conflict processing while automatically generating a conflict condition to complementarily be met on the basis of a conflict condition that a program developer prepares and adding the generated condition to the conflict condition.

SOLUTION : **Conflict** processing **rule** settings obtained by putting together a plurality of conflict processing rules stored in an external memory 11, etc., are read in a RAM 2 and on the basis of the set values of the read-in conflict processing rules, a CPU 1 automatically generates a conflict processing rule to complementarily be met and uses the automatically generated conflict processing rule to perform conflict processing regarding various settings needed for the print execution to a printer 1500.

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Set     Items   Description
S1     168982   POLICY OR POLICIES OR RULE? ?
S2        816   (CONFLICT? ? OR CONFLICTING OR CLASH?? OR CLASHING OR COLL-
              ISION? ? OR DISCORD OR DISCREPANCY)(3N)S1
S3       5660   (MERGE?? OR MERGING OR COMBINE? ? OR COMBINATION OR COMBIN-
              ING OR INTO()ONE OR TOGETHER OR CONSOLIDATE? ? OR CONSOLIDATI-
              ON OR CONSOLIDATING OR SYNTHESIS?? OR SYNTHESISING)(3N)S1
S4        218   (RESOLVE? ? OR RESOLVING OR RESOLUTION? ? OR SOLVE? ? OR S-
              OLUTION OR SOLVING)(5N)S2
S5         23   S2 (30N) S3
S6         17   S5 AND IC=G06F
S7         17   IDPAT (sorted in duplicate/non-duplicate order)
S8         16   IDPAT (primary/non-duplicate records only)
S9        147   S4 AND IC=G06F
S10        35   S4 AND IC=G06F-009
S11        33   S10 NOT S8
S12        33   IDPAT (sorted in duplicate/non-duplicate order)
S13        33   IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2005/Oct W04
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051027,UT=20051020
         (c) 2005 WIPO/Univentio
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8/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01174844
Mobile agent system and method for controlling a mobile agent system
Mobiles Agentsystem und Verfahren zum Steuern eines mobilen Agentsystems
Systeme d'agent mobile et methode pour commander un systeme d' agent mobile
PATENT ASSIGNEE:
Sony International (Europe) GmbH, (2328250), Hugo-Eckener-Strasse 20, 50829 Koln, (DE), (Applicant designated States: all)
INVENTOR:
Kovacs, Erno, c/o SONY INTERNATIONAL (EUROPE) GMBH, Stuttgart Technology Center, Stuttgarter Str. 106, 70736 Fellbach, (DE)
LEGAL REPRESENTATIVE:
Korber, Martin, Dipl.-Phys. et al (88321), Mitscherlich & Partner Patentanwalte Sonnenstrasse 33, 80331 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1024427 A1 000802 (Basic)
APPLICATION (CC, No, Date): EP 99101581 990129;
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-009/46**

ABSTRACT EP 1024427 A1
The present invention relates to a mobile agent system (1) for a communication unit (5, 6, 7) of a communication system, with at least one mobile agent (3) comprising an allocated agent policy (8), in which migration parameters of the respective mobile agent (3) are defined, migration control means (16) for controlling the migration behavior of a mobile agent (3) in the communication system on the basis of a current migration policy of the mobile agent (3) and current parameters of the communication system. The present invention further relates to a method for controlling such a mobile agent system (1) and allows a flexible way of controlling the migration behavior of mobile agents (3) depending on system parameters.
ABSTRACT WORD COUNT: 119
NOTE:
Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	000802	A1	Published application with search report
Examination:	010131	A1	Date of request for examination: 20001204
Change:	010418	A1	Designated contracting states changed 20010223
Assignee:	040310	A1	Transfer of rights to new applicant: Sony International (Europe) GmbH (2328252) Kemperplatz 1 10785 Berlin DE
Examination:	040707	A1	Date of dispatch of the first examination report: 20040521
Assignee:	051005	A1	Transfer of rights to new applicant: SONY DEUTSCHLAND GMBH (7086870) Kemperplatz 1 10785 Berlin DE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200031	1016
SPEC A	(English)	200031	3724
Total word count - document A			4740
Total word count - document B			0
Total word count - documents A + B			4740

INTERNATIONAL PATENT CLASS: **G06F-009/46**

...SPECIFICATION g. more cost-effective strategies gain higher weights. Further, the policy control means 18 can **combine** several **policies** by

combining the **policy** parameters of the **conflicting policies** . In this case, a conflict resolution must be performed for each individual parameter.

By means...

8/5,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00391621
Fuzzy rule generator.
Generator von ungenauen Regeln.
Generateur de regles floues.
PATENT ASSIGNEE:
OMRON CORPORATION, (1184321), 10, Tsuchido-cho, Hanazono, Ukyo-ku,, Kyoto-shi, Kyoto-fu, (JP), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)
INVENTOR:
Matsunaga, Nobutomo, c/o Omron Corporation, Intellectual Property Center, 20 Igadera, Shimokaiinji, Nagaokakyo-shi, Kyoto-fu, (JP)
Shoji, Kazuaki, c/o Omron Corporation, Intellectual Property Center, 20 Igadera, Shimokaiinji, Nagaokakyo-shi, Kyoto-fu, (JP)
LEGAL REPRESENTATIVE:
WILHELMS, KILIAN & PARTNER Patentanwalte (100601), Eduard-Schmid-Strasse 2, D-8000 Munchen 90, (DE)
PATENT (CC, No, Kind, Date): EP 403753 A2 901227 (Basic)
EP 403753 A3 930120
APPLICATION (CC, No, Date): EP 90107256 900417;
PRIORITY (CC, No, Date): JP 8995880 890414; JP 8998358 890418; JP 89288219 891106
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: **G06F-009/44**
CITED REFERENCES (EP A):
IEEE EXPERT vol. 3, no. 1, 28 February 1988, NEW YORK US pages 33 - 41 , XP89 J.M. FRANCIONI ET AL 'A Software Engineering Tool for Expert System Design'
COMPUTATIONAL INTELLIGENCE vol. 4, no. 3, 1988, pages 244 - 264 D. DUBOIS ET AL 'Representation and combination of uncertainty with belief functions and possibility measures'
JOURNAL A vol. 28, no. 3, July 1987, ANTWERPEN BE pages 126 - 130 D. HASPEL ET AL. 'The application of a real-time expert rule-based controller in the cement industry'
PROC. 1988 IEEE INT. CONF. ON SYSTEMS, MAN AND CYBERNETICS 8 August 1988, IEEE, NEW YORK, US. pages 63 - 65 MACHIAS, A.V. ET AL. 'Fuzzy clustering applied to transient stability evalution';

ABSTRACT EP 403753 A2
A fuzzy rule generator for generating fuzzy rules, comprising: a selection unit for selecting two or more sets of rules from a plurality of basic sets of rules which may be stored in memory; and a control unit for generating a new set of rules by carrying out a synthetic arithmetic operation based on a predetermined set of rules for synthesis. This process of synthesis may simply consist of addition or subtraction. Thereby, a new set of rules can be easily generated by carrying out a simple arithmetic operation for each application. Therefore, generation and modification of rules are simplified and speeded up, with additional benefits arising from an efficient utilization of existing sets of rules. Further, by imposing a constraint on the newly synthesized set of rules manually, automatically or by a combination of both according to a predefined algorithm, it is possible not only to ensure the stability of the system but also to obtain desired control characteristics. If desired, the newly created sets of rules may be added to the library of the basic sets of fuzzy rules. (see image in original document)
ABSTRACT WORD COUNT: 190

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 901227 A2 Published application (A1with Search Report ;A2without Search Report)
Examination: 901227 A2 Date of filing of request for examination: 900511

Search Report: 930120 A3 Separate publication of the European or International search report
*Assignee: 941214 A2 Applicant (transfer of rights) (change): OMRON CORPORATION (284768) 10, Tsuchido-cho, Hanazono, Ukyo-ku Kyoto-shi, Kyoto-fu 617 (JP) (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)
Examination: 950920 A2 Date of despatch of first examination report: 950802
Withdrawal: 990825 A2 Date application deemed withdrawn: 19990227
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	293
SPEC A	(English)	EPABF1	5982
Total word count - document A			6275
Total word count - document B			0
Total word count - documents A + B			6275

INTERNATIONAL PATENT CLASS: **G06F-009/44**

...SPECIFICATION rule when the sets of basic rules serving as a basis for the process of **synthesis** contain mutually **conflicting rules** . The **rule** modifier 14 carries out modification of the set of rules generated by the rule generator...of the rules for the two sets of basic rules serving as a basis for **synthesis** , the **rule** synthesizer 13 determines if there are any mutually **conflicting rules** . If there are no **conflicting rules** , the program flow advances to step 4 where the fuzzy rules of the sets of...

8/5,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01201964 **Image available**
SYSTEM AND METHOD FOR ADVANCED RULE CREATION AND MANAGEMENT WITHIN AN INTEGRATED VIRTUAL WORKSPACE
SYSTEME ET PROCEDE DE CREATION ET DE GESTION DE REGLES AVANCEES DANS UN ESPACE DE TRAVAIL VIRTUEL INTEGRE

Patent Applicant/Assignee:
SONOLINK COMMUNICATIONS SYSTEMS LLC, 1730 Rhode Island Avenue, NW, Suite 400, Washington, DC 20036, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
MATHEW Boban, US, -- (Residence), -- (Nationality), (Designated only for: US)
JOHN Thomas, US, -- (Residence), -- (Nationality), (Designated only for: US)
EVANS Dagny, US, -- (Residence), -- (Nationality), (Designated only for: US)
Legal Representative:
VINCENT Lester J (et al) (agent), Blakely, Sokoloff, Taylor & Zafman LLP, 7th Floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200508432 A2-A3 20050127 (WO 0508432)

Application: WO 2004US22574 20040712 (PCT/WO US04022574)
Priority Application: US 2003486166 20030711
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-015/16**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 19915

English Abstract
A conflict detection and resolution system and method are described for detecting and resolving conflicts between filtering and/or routing rules within an integrated messaging/document management system. One embodiment of the method comprises evaluating a plurality of rules for routing, filtering and/or storing messages and/or documents to determine whether a conflicts exists between two or more of the plurality of rules; detecting a conflict between two or more of the plurality of rules; determining a severity level associated with the detected conflict; and identifying a resolution to the conflict resolution if the severity level associated with the conflict is below a predetermined threshold value.

French Abstract
L'invention concerne un systeme et un procede de detection et de resolution de conflits qui permettent de detecter et de resoudre des conflits entre des regles de filtrage et/ou de routage dans un systeme de messagerie/gestion des documents integre. Un premier mode de realisation

de l'invention consiste a : evaluer une pluralite de regles de routage ; filtrer et/ou stocker des messages et/ou des documents pour determiner l'existence d'un conflit entre deux regles ou plus parmi la pluralite de regles; detecter un conflit entre deux regles ou plus parmi la pluralite de regles; determiner le degre de gravite associe au conflit detecte; et enfin, identifier une resolution pour la resolution du conflit si le degre de severite associe au conflit se situe en-dessous de la valeur de seuil predeterminee.

Legal Status (Type, Date, Text)

Publication	20050127	A2 Without international search report and to be republished upon receipt of that report.
Search Rpt	20050804	Late publication of international search report
Republication	20050804	A3 With international search report.
Republication	20050804	A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Main International Patent Class: **G06F-015/16**
Fulltext Availability:
Detailed Description

Detailed Description
... clear to users especially if the earlier rules are "legacy" rules. In this case, the **conflict** is that older **rules** should be given greater weight in an overall estimation of a filters decision.
[0102] 3. Rules may be directly in conflict. This frequently happens when **merging** **rules** created in different situations such as work-time filtering rules combined with personal-time filtering...

13/5,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00549113
Metaphor environment control system
Steuerungssystem fur Metapherumgebung
Systeme de commande pour environnement metaphorique
PATENT ASSIGNEE:
MITSUBISHI DENKI KABUSHIKI KAISHA, (208582), 2-3 Marunouchi 2-Chome, Chiyoda-ku Tokyo 100-0005, (JP), (Proprietor designated states: all)
INVENTOR:
Asahi, Nobuo, c/o Institute for Personalized, Information Environment, 17-1, Toranomon 1-chome, Minato-ku, Tokyo 105, (JP)
LEGAL REPRESENTATIVE:
Placais, Jean-Yves et al (17891), Cabinet Netter, 40, rue Vignon, 75009 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 524103 A2 930120 (Basic)
EP 524103 A3 930728
EP 524103 B1 011010
APPLICATION (CC, No, Date): EP 92402065 920717;
PRIORITY (CC, No, Date): JP 91176536 910717
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-009/44** ; G06F-003/033
CITED PATENTS (EP A): EP 407296 A
CITED PATENTS (EP B): EP 407296 A
CITED REFERENCES (EP A):
PROCEEDINGS OF THE 23RD ANNUAL HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES. vol. 3/4, 2 January 1990, HI, US pages 363 - 372 K.A. GRIGGS 'A VISUAL AGENT APPROACH FOR MODELING ORGANIZATIONS'
CHI '91 CONFERENCE PROCEEDINGS, HUMAN FACTORS IN COMPUTING SYSTEMS, REACHING THROUGH TECHNOLOGY. 27 April 1991, NEW ORLEANS, US pages 407 - 414 H. NONOGAKI ET AL. 'FRIEND21 PROJECT: A CONSTRUCTION OF 21ST CENTURY HUMAN INTERFACE';
CITED REFERENCES (EP B):
PROCEEDINGS OF THE 23RD ANNUAL HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES. vol. 3/4, 2 January 1990, HI, US pages 363 - 372 K.A. GRIGGS 'A VISUAL AGENT APPROACH FOR MODELING ORGANIZATIONS'
CHI '91 CONFERENCE PROCEEDINGS, HUMAN FACTORS IN COMPUTING SYSTEMS, REACHING THROUGH TECHNOLOGY. 27 April 1991, NEW ORLEANS, US pages 407 - 414 H. NONOGAKI ET AL. 'FRIEND21 PROJECT: A CONSTRUCTION OF 21ST CENTURY HUMAN INTERFACE';

ABSTRACT EP 524103 A2
A metaphor environment control system of human interfaces of any application program for computers, which represents a plurality of metaphors that express various functions of the application program and presents a user with a pertinent function according the user's operations, includes an operational model 4 for storing a user's operational information, a world model 7 for storing the internal states of a plurality of metaphors to be manipulated, a display model 9 for storing what states said plurality of metaphors are displayed in, operation/display control blocks 1 and 2 for rewriting said operational model 4 depending upon the user's operation and changing the representations of said metaphors pertinently depending upon a change in said display model, an operational model/world model conversion rule 5 for rewriting pertinent portions of said world and display models 7 and 9 taking a chance of a change in said operation/display control blocks 1 and 2 for said operational model 4, a plurality of casual rules 8 for rewriting other portion of said world model 7 and a pertinent portion of said display model 9, taking a chance of rewriting said world model 7, and allowing one world model 7 to request to launch a plurality of rules, and an ambiguity resolution block 11 for selecting any one of said plurality of casual rules 8, when they are launched.
ABSTRACT WORD COUNT: 225

NOTE:
Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee:	010425	A2	Transfer of rights to new applicant: MITSUBISHI DENKI KABUSHIKI KAISHA (208582) 2-3 Marunouchi 2-Chome Chiyoda-ku Tokyo 100-0005 JP
Application:	930120	A2	Published application (A1with Search Report ;A2without Search Report)
Oppn None:	021002	B1	No opposition filed: 20020711
Grant:	011010	B1	Granted patent
Change:	930721	A2	Obligatory supplementary classification (change)
Search Report:	930728	A3	Separate publication of the European or International search report
Examination:	940223	A2	Date of filing of request for examination: 931223
*Assignee:	960710	A2	Applicant (transfer of rights) (change): NEW MEDIA DEVELOPMENT ASSOCIATION (2112350) Mita Kokusai Building 23rd Floor, 4-28, Mita 1-chome, Minato-ku Tokyo 108 (JP) (applicant designated states: DE;FR;GB)
*Assignee:	960710	A2	Previous applicant in case of transfer of rights (change): INSTITUTE FOR PERSONALIZED INFORMATION ENVIRONMENT (1341890) 17-1, Toranomon-1-chome Minato-ku, Tokyo 105 (JP) (applicant designated states: DE;FR;GB)
Examination:	970723	A2	Date of despatch of first examination report: 970605

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	493
CLAIMS B	(English)	200141	733
CLAIMS B	(German)	200141	666
CLAIMS B	(French)	200141	839
SPEC A	(English)	EPABF1	6572
SPEC B	(English)	200141	6064
Total word count - document A			7065
Total word count - document B			8302
Total word count - documents A + B			15367

INTERNATIONAL PATENT CLASS: **G06F-009/44** ...

...SPECIFICATION each metaphor and letting the activation value of a certain metaphor have an influence on **resolution** of **conflict** with the **rule** of other metaphor. For opening the newspaper metaphor soon after the power switch of the...

...which are fied by the operation of the user regarding that action. If there is **conflict** of **rules** , then it can be **resolved** by the activation values and CF values. However, when the conflict or the ambiguity involve...

...SPECIFICATION each metaphor and letting the activation value of a certain metaphor have an influence on **resolution** of **conflict** with the **rule** of other metaphor. For opening the newspaper metaphor soon after the power switch of the...

...which are fired by the operation of the user regarding that action. If there is **conflict** of **rules** , then it can be **resolved** by the activation values and CF values. However, when the conflict or the ambiguity involves...

13/5,K/23 (Item 23 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01072031 **Image available**
METHOD, SYSTEM, AND PROGRAM FOR A POLICY BASED STORAGE MANAGER
PROCEDE, SYSTEME ET PROGRAMME POUR GESTIONNAIRE DE MEMOIRE BASE SUR LES REGLES

Patent Applicant/Assignee:
INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY 10504, US, US (Residence), US (Nationality)
IBM UNITED KINGDOM LIMITED, PO Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated only for: MG)
Inventor(s):
DEVARAKONDA Murthy, 1411 Chatham Lane, Yorktown Heights, NY 10598, US,
GELB Jack, 1381 Camino Robles Way, San Jose, CA 95120, US,
SAHA Avijit, 65 Wilner Road, Somers, NY 10589, US,
STRICKLAND Jimmy Paul, 18929 Alcott Way, Saratoga, CA 95070, US,
Legal Representative:
LITHERLAND David Peter (agent), IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003102762 A2-A3 20031211 (WO 03102762)
Application: WO 2003GB2062 20030512 (PCT/WO GB03002062)
Priority Application: US 2002159494 20020531
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/46**
International Patent Class: **G06F-009/44** ; G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 10246
English Abstract
Provided are data structures for use in storing data. A plurality of data structures are defined in a computer readable medium, wherein each data structure indicates a plurality of attributes and at least one function of a storage resource to store data. Policies are defined in the computer readable medium that associate data characteristics to data structures based on a correspondence of data characteristics and the attributes defined in the data structures, wherein each defined data structure is adapted to provide requirements to determine a storage resource to store associated data, and wherein the defined data structure is adapted to provide the storage resource with requirements for storing the data.

French Abstract
La presente invention concerne des structures de donnees utilisees pour la mise en memoire de donnees. Une pluralite de structures de donnees est definie dans un support lisible par ordinateur, chaque structure de donnees indiquant une pluralite d'attributs et au moins une fonction

d'une ressource de memoire pour enregistrer des donnees. Des regles sont definies dans le support lisible par ordinateur, lesdites regles associant des caracteristiques de donnees aux structures de donnees en se basant sur une correspondance des caracteristiques de donnees et des attributs definis dans les structures de donnees. Chaque structure de donnees definie est concue pour fournir des exigences afin de determiner une ressource de memoire pour l'enregistrement des donnees associees, et la structure de donnees definie est concue pour fournir a la ressource de memoire des exigences pour enregistrer les donnees.

Legal Status (Type, Date, Text)
Publication 20031211 A2 Without international search report and to be republished upon receipt of that report.
Examination 20040108 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20050120 Late publication of international search report
Republication 20050120 A3 With international search report.
Republication 20050120 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Main International Patent Class: **G06F-009/46**
International Patent Class: **G06F-009/44** ...
Fulltext Availability:
Detailed Description

Detailed Description
... validating syntactic and
semantic aspects of policies. The policy administration component may further identify and **resolve conflicts** between different **policy** groups.

The SPM 50, 106 may further include a policy engine component that implements the...

13/5,K/27 (Item 27 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00851689 **Image available**
RESOURCE MANAGER ARCHITECTURE
ARCHITECTURE DE GESTION DE RESSOURCES
Patent Applicant/Assignee:
MICROSOFT CORPORATION, One Microsoft Way, Redmond, WA 98052, US, US (Residence), US (Nationality)
Inventor(s):
SANKARANARAYAN Mukund, 25840 SE 41st Street, Issaquah, WA 98029, US,
FOLTZ Forrest C, 12450 203rd Avenue NE, Woodinville, WA 98072, US,
SHAW George, 21213 NE 186th Street, Woodinville, WA 98072, US,
SATHER Dale A, 7453 4th Avenue NE, Seattle, WA 98115, US,
RAFFMAN Andy R, 17835 NE 205th Street, Woodinville, WA 98072, US,
SRINIVASAN Jai, 7512 130th Avenue NE, Kirkland, WA 98033, US,
BACKMAN Terje K, P.O. Box 968, Carnation, WA, US,
PARRY William G, 6731 153rd Place SE, Bellevue, WA 98006, US,
BAKIN David S, 1221 First Avenue, Apt. 1501, Seattle, WA 98101, US,
JONES Michael B, 17259 NE 36th Street, Redmond, WA 98052, US,
MCDOWELL Sean C, 10427 248th Avenue NE, Redmond, WA 98053, US,
RAJA Jayachandran, 6003 143rd Court NE, Redmond, WA 98052, US,
SPEED Robin, 518 2nd AVenue S, Kirkland, WA 98033, US,
Legal Representative:
LEE Lewis C (et al) (agent), 421 W. Riverside Avenue, Suite 500, Spokane, WA 99201, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200184301 A2-A3 20011108 (WO 0184301)
Application: WO 2001US10605 20010402 (PCT/WO US0110605)
Priority Application: US 2000563726 20000502
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/50**
International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 26658

English Abstract
Resource management architectures implemented in computer systems to manage resources are described. In one embodiment, a general architecture includes a resource manager and multiple resource providers that support one or more resource consumers such as a system component or application. Each provider is associated with a resource and acts as the manager for the resource when interfacing with the resource manager. The resource manager arbitrates access to the resources provided by the resource providers on behalf of the consumers. A policy manager sets various policies that are used by the resource manager to allocate resources. One policy is a priority-based policy that distinguishes among which applications and/or users have priority over others to use the resources. A resource consumer creates an "activity" at the resource manager and builds one or more "configurations" that describe various sets of

preferred resources required to perform the activity. Each resource consumer can specify one or more configurations for each activity. If multiple configurations are specified, the resource consumer can rank them according to preference. This allows the resource consumers to be dynamically changed from one configuration to another as operating conditions change.

French Abstract
L'invention concerne des architectures de gestion de ressources mises en place dans des systemes informatiques pour gerer des ressources. Dans un mode de realisation, une architecture generale comprend un gestionnaire de ressources et plusieurs fournisseurs de ressources qui supportent un ou plusieurs consommateurs de ressources, tels qu'une composante de systeme ou une application. Chaque fournisseur est associe a une ressource et sert de gestionnaire de cette derniere en cas d'interaction avec le gestionnaire de ressources. Celui-ci commande l'acces aux ressources fournies par les fournisseurs au nom des consommateurs. Un gestionnaire de reglementation determine diverses reglementations utilisees par le gestionnaire de ressources pour attribuer les ressources. Une des reglementations est une reglementation basee sur la priorite qui determine quelles applications et/ou quels utilisateurs ont la priorite par rapport a d'autres quant a l'utilisation des ressources. Un consommateur de ressources cree une <= activite >= au niveau du gestionnaire de ressources et construit une ou plusieurs <= configurations >= qui decrivent differents ensembles de ressources preferees requises pour executer l'activite. Chaque consommateur de ressources peut specifier une ou plusieurs configurations pour chaque activite. Si de multiples configurations sont specifiees, le consommateur de ressources peut les classer par ordre de preference, ce qui permet aux consommateurs de ressources d'etre modifies de maniere dynamique d'une configuration a une autre lorsque les conditions d'utilisation changent.

Legal Status (Type, Date, Text)
Publication 20011108 A2 Without international search report and to be republished upon receipt of that report.
Examination 20020103 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20030417 Late publication of international search report
Republication 20030417 A3 With international search report.

Main International Patent Class: **G06F-009/50**
International Patent Class: **G06F-009/46**
Fulltext Availability:
Detailed Description

Detailed Description
... 110 maintains the policies used to make resource allocation decisions and the policies used to **resolve** resource allocation **conflicts** . The **policies** maintained in the policy component 1 1 0 include a fixed priority policy 1814, a...

13/5,K/29 (Item 29 from file: 349)

00796157 **Image available**
RESOURCE ALLOCATION SYSTEM
SYSTEME D'ATTRIBUTION DE RESSOURCES
Patent Applicant/Assignee:
BRITISH TELECOMMUNICATIONS public limited company, 81 Newgate Street, London EC1A 7AJ, GB, GB (Residence), GB (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ODGERS Brian Robert, 15 Kingsway Grove, Lurgan, Craigavon BT66 7TE, GB, GB (Residence), GB (Nationality), (Designated only for: US)
THOMPSON Simon Giles, 327 Foxhall Road, Ipswich, Suffolk IP3 8LQ, GB, GB (Residence), GB (Nationality), (Designated only for: US)
SHEPHERDSON John William, 4 Abbey Road, Sudbury, Suffolk CO10 1LA, GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
LLOYD Barry George William (agent), BT Group Legal Services, Intellectual Property Dept., 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE , GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200129663 A1 20010426 (WO 0129663)
Application: WO 2000GB4095 20001023 (PCT/WO GB0004095)
Priority Application: EP 99308316 19991021
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CN IN JP SG US
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: **G06F-009/46**
International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11192

English Abstract
Methods and systems are proposed for coordinating tasks carried out by operatives. An operational support system (1) defines requirements for work to be carried out by operatives. The operatives receive instructions via an intermediary coordinator (3). The operatives are provided with a software agent (5), which empowers them to make requests. The intermediary (3) reconciles the work requirements with the requests. The method and systems use agent-based negotiation strategies and allow workers and team managers to control the system in a visual interactive fashion. The system can be used to enable workers to set work preferences, trade jobs, share knowledge as well as build informal alliances to help each other with their work. Managers are able to review and control local business rules and scheduling preferences using their own software agent (7).

French Abstract
La presente invention concerne des procedes et des systemes permettant de coordonner des taches executees par des operants. Un systeme de support operationnel (1) definit des exigences concernant le travail a executer par les operants. Les operants recoivent des instructions par l'intermediaire d'un coordinateur intermediaire (3). Un agent logiciel (5) est fourni aux operants, afin de leur permettre de formuler des requetes. L'intermediaire (3) fait concorder les exigences relatives au travail avec lesdites requetes. Le procede et les systemes utilisent des strategies de negociation en se basant sur l'agent et permettent aux

travailleurs et aux chefs d'equipes de commander le systeme dans un mode interactif visuel. Le systeme peut etre utilise afin de permettre aux travailleurs d'etablir des preferences relatives au travail, d'echanger des emplois, de partager des connaissances et de former des alliances informelles dans le but de s'aider mutuellement dans leur travail. Les chefs peuvent revoir et commander les regles et les preferences de planification des horaires d'entreprise locale, en utilisant leur propre agent logiciel (7).

Legal Status (Type, Date, Text)
Publication 20010426 A1 With international search report.
Examination 20010525 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: **G06F-009/46**
Fulltext Availability:
Detailed Description

Detailed Description
... notifies the relevant manager agent 7 of any conflict.

1 5 Operative preferences can also **conflict** with the **rules** . This will be **resolved** automatically by the intermediary 3 in use since it will simply reject offers and requests...at the GUI 7c, 8c for a manager's interface 7a, 8a to control local **rules** and **conflict resolution policies** . This is similar to the layered approach to visual software control and visual programming advocated...

```
Set     Items   Description
S1    1805959   POLICY OR POLICIES OR RULE? ?
S2       4730   (CONFLICT? ? OR CONFLICTING OR CLASH?? OR CLASHING OR COLL-
            ISION? ? OR DISCORD OR DISCREPANCY)(3N)S1
S3      15786   (MERGE?? OR MERGING OR COMBINE? ? OR COMBINATION OR COMBIN-
            ING OR INTO()ONE OR TOGETHER OR CONSOLIDATE? ? OR CONSOLIDATI-
            ON OR CONSOLIDATING OR SYNTHESIS?? OR SYNTHESISING)(3N)S1
S4        644   (RESOLVE? ? OR RESOLVING OR RESOLUTION? ? OR SOLVE? ? OR S-
            OLUTION OR SOLVING)(5N)S2
S5        158   S2 AND S3
S6         99   S5 NOT PY>2000
S7         55   RD (unique items)
S8       1209   EVENT()(MANAGEMENT OR HANDLING)
S9          0   S5 AND S8
S10         0   S2 AND S8
S11         0   S4 AND S8
S12     14164   (NETWORK OR LOGON OR USER OR FIREWALL OR DEVICE? ?)(3N)S1
S13         4   S5 AND S12
S14         1   S13 NOT PY>2000
S15       107   S2 AND S12
S16        27   S4 AND S12
S17        14   S16 NOT PY>2000
S18        13   RD (unique items)
S19        53   S15 NOT PY>2000
S20        40   S19 NOT S18
S21        35   RD (unique items)
? show files
File   8:Ei Compendex(R) 1970-2005/Oct W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2005/Oct
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Oct W5
         (c) 2005 BLDSC all rts. reserv.
File   2:INSPEC 1898-2005/Oct W4
         (c) 2005 Institution of Electrical Engineers
File  94:JICST-EPlus 1985-2005/Aug W4
         (c)2005 Japan Science and Tech Corp(JST)
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Oct 31
         (c) 2005 The Gale Group
File   6:NTIS 1964-2005/Oct W4
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2005/Oct W4
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Oct W4
         (c) 2005 Inst for Sci Info
File  62:SPIN(R) 1975-2005/Aug W3
         (c) 2005 American Institute of Physics
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Sep
         (c) 2005 The HW Wilson Co.
File  95:TEME-Technology & Management 1989-2005/Sep W4
         (c) 2005 FIZ TECHNIK
```

18/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05050548 E.I. No: EIP98074266981
Title: Practical approach to static analysis and execution of rules in active databases
Author: Kim, Seung-Kyum; Chakravarthy, Sharma
Corporate Source: Univ of Florida, Gainesville, FL, USA
Conference Title: Proceedings of the 1997 6th International Conference on Information and Knowledge Management, CIKM'97
Conference Location: Las Vegas, NV, USA Conference Date: 19971110-19971114
Sponsor: ACM
E.I. Conference No.: 48553
Source: International Conference on Information and Knowledge Management, Proceedings 1997. ACM, New York, NY, USA. p 161-168
Publication Year: 1997
CODEN: 002176
Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review); T; (Theoretical)
Journal Announcement: 9808W4
Abstract: In this paper we propose a practical approach to rule analysis. We show how alternative rule designer choices can be supported using our approach to achieve confluent rule execution in active databases. Our model employs priority information to **resolve conflicts** between **rules** , and uses a rule scheduler based on the topological sort to achieve correct confluent rule executions. Given a rule set, a trigger graph and a dependency graph are built from the information obtained by analyzing the rule set at compile time. The two graphs are combined to form a priority graph, on which the user is requested to specify priorities (or resolve conflicts) only if there exist dependencies in the dependency graph. The user can have multiple priority graphs by specifying different priorities depending on application. From a priority graph, an execution graph is derived for every user transaction that triggers one or more rules. The rule scheduler uses the execution graph. Our model also correctly handles the situation where trigger paths of **rules** triggered by a **user** transaction are overlapping, which are not handled by existing models. (Author abstract) 13 Refs.
Descriptors: *Knowledge based systems; Database systems; Data structures; Data reduction; Sorting; Program compilers; Graph theory; Mathematical models
Identifiers: Active databases; Trigger graphs; Rule analysis
Classification Codes:
723.4.1 (Expert Systems)
723.4 (Artificial Intelligence); 723.3 (Database Systems); 723.2 (Data Processing); 723.1 (Computer Programming); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)
723 (Computer Software); 921 (Applied Mathematics)
72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

18/5/5 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01529462 ORDER NO: AAD97-03557
STATIC ANALYSIS OF ECA RULES AND USE OF THESE RULES FOR INCREMENTAL COMPUTATION OF GENERAL AGGREGATE EXPRESSIONS (ACTIVE DATABASES)
Author: KIM, SEUNG-KYUM
Degree: PH.D.
Year: 1996
Corporate Source/Institution: UNIVERSITY OF FLORIDA (0070)
Chair: SHARMA CHAKRAVARTHY
Source: VOLUME 57/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5751. 97 PAGES
Descriptors: COMPUTER SCIENCE
Descriptor Codes: 0984

In this work we address two major issues that are related within the framework of active databases. Firstly, we propose a practical approach to rule analysis. We show how alternative rule designer choices can be supported using our approach to achieve confluent rule execution in active databases. Our model employs priority information to **resolve conflicts** between **rules** , and uses a rule scheduler based on the topological sort to achieve correct confluent rule executions. Given a rule set, a trigger graph and a dependency graph are built from the information obtained by analyzing the rule set at compile time. The two graphs are combined to form a priority graph, on which the user is requested to specify priorities (or resolve conflicts) only if there exist dependencies in the dependency graph. The user can have multiple priority graphs by specifying different priorities depending on application semantics. From a priority graph, an execution graph is derived for every user transaction that triggers one or more rules. The rule scheduler uses the execution graph. Our model also correctly handles the situation where trigger paths of **rules** triggered by a **user** transaction are overlapping, which are not handled by existing models. We prove that our model achieves maximum parallelism in rule executions.

Next, we propose a cache mechanism, called aggregate cache for efficiently supporting complex aggregate computations in data warehouses. We discuss several cache update strategies in the context of maintaining consistency between base databases and aggregates cached in the data warehouse. We formally define the incremental update of aggregates, which is a prime issue for the aggregate cache. Further we classify algebraic aggregates into summative aggregates that include a vast variety of aggregates applicable in data warehouses to support decision making and statistical data analysis. We prove that there is a precise subclass of summative aggregates that can be incrementally updated. For the incrementally updatable class of summative aggregates, we propose an efficient cache mechanism that allows many user-queries to share accesses to the cached aggregates in a transparent way.

18/5/6 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

07331590 INSPEC Abstract Number: B1999-10-6210L-042, C1999-10-5620W-020
Title: Quality of service in enterprise networks
Author(s): Melia, A.
Author Affiliation: Extreme Networks, UK
Conference Title: IEE Colloquium on Services Over the Internet-What Does Quality Cost? (Ref No. 1999/099) p.2/1-4
Publisher: IEE, London, UK
Publication Date: 1999 Country of Publication: UK 36 pp.
Material Identity Number: XX-1999-02131
Conference Title: IEE Colloquium on Services Over the Internet-What Does Quality Cost?
Conference Date: 23 June 1999 Conference Location: London, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: Quality of service consists of those mechanisms and protocols designed to facilitate the delivery of delay and bandwidth sensitive material (data/applications) across computer networks. QoS in the Ethernet networks is fundamentally creating unequal access in an essentially equal access network enabling predictable and consistent system performance on a network. The optimum QoS solution is a function of the given network environment and specific corporate needs and indeed, may involve more than one technology. In addition to a critical assessment of these needs, QoS implementation must come to terms with QoS technology, user independence, application level view of QoS deployment, end-to-end solution and the applicability to the existing corporate network. To be most effective, QoS techniques must exercise full control of network service levels in accordance with set priorities. Web based applications are creating fundamental changes in the structure of the corporate enterprise network. Mission-critical applications such as enterprise resource planning (ERP,) ecommerce, voice over IP, networked storage and co-located server traffic are burdening enterprise network infrastructures with unpredictable traffic patterns and traffic loads. The article discusses the Enterprise Policy Server, which is responsible for the installation and tracking of QoS **policies** on the **network** . This includes **policy** interpretation from high level definition into low level **device** configuration, **policy** **conflict** **resolution** , **device** communication, **policy** installation, and policy storage. (0 Refs)
Subfile: B C
Descriptors: business communication; computer network management; Internet; local area networks; protocols; quality of service
Identifiers: quality of service; mission-critical applications; bandwidth sensitive material; data/applications; computer networks; Ethernet networks ; unequal access; equal access network; consistent system performance; optimum QoS solution; network environment; corporate need; critical assessment; QoS implementation; QoS technology; user independence; application level view; QoS deployment; end-to-end solution; enterprise resource planning; network service levels; Web based applications; corporate enterprise network; voice over IP; co-located server traffic; enterprise network infrastructures; Enterprise Policy Server; policy interpretation; **policy** **conflict** **resolution** ; device communication; policy installation; policy storage
Class Codes: B6210L (Computer communications); B6210C (Network management); B6150M (Protocols); C5620W (Other computer networks); C5620L (Local area networks); C7210N (Information networks); C0310D (Computer installation management); C5640 (Protocols); C7100 (Business and administration)

18/5/9 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

05771772 INSPEC Abstract Number: C9411-6130S-022
Title: The multipolicy paradigm for trusted systems
Author(s): Hosmer, H.H.
Author Affiliation: Data Security Inc., Bedford, MA, USA
p.19-32
Editor(s): Michael, J.B.; Ashby, V.; Meadows, C.
Publisher: ACM, New York, NY, USA
Publication Date: 1993 Country of Publication: USA viii+198 pp.
ISBN: 0 89791 635 2
U.S. Copyright Clearance Center Code: 0 89791 635 2/93/$1.50
Conference Title: Proceedings of New Security Paradigms Workshop II
Conference Sponsor: ACM SIGSAC; George Mason Univ. Center for Secure Inf. Syst.; IEEE Comput. Soc
Conference Date: 22-24 Sept. 1992 & 3-5 Aug. 1993
Conference Location: Little Compton, RI, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: This paper describes shortcomings in the current paradigm for multilevel secure (MLS) systems, summarizes requirements for an alternate paradigm, and describes the Multipolicy Paradigm. The Multipolicy Paradigm is useful whenever there are multiple security goals such as confidentiality, privacy, availability, integrity, or weapons release control; whenever users with different values and traditions must share a common system; whenever a system is composed of separately-evaluated pieces, and whenever policies must adapt to changing circumstances. The paper suggests shifts in thinking about multilevel secure (MLS) systems, and raises important multipolicy issues: **policy** flexibility, **policy** conflict **resolution** , adding **user** security **policies** to commercial off-the-shelf (COTS) products, evaluating and certifying multiple policy systems, and passing sensitive data across policy boundaries. (35 Refs)
Subfile: C
Descriptors: data privacy; security of data
Identifiers: multipolicy paradigm; trusted systems; multilevel secure systems; confidentiality; privacy; availability; integrity; weapons release control; user security; sensitive data; policy boundaries
Class Codes: C6130S (Data security)

18/5/10 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

04441420 INSPEC Abstract Number: C89056781
Title: Conflict resolution **of** rules **assigning values to virtual attributes**
Author(s): Ioannidis, Y.E.; Sellis, T.K.
Author Affiliation: Dept. of Comput. Sci., Wisconsin Univ., Madison, WI, USA
Journal: SIGMOD Record vol.18, no.2 p.205-14
Publication Date: June 1989 Country of Publication: USA
CODEN: SRECD8 ISSN: 0163-5808
Conference Title: 1989 ACM SIGMOD International Conference on Management of Data
Conference Sponsor: ACM
Conference Date: 31 May-2 June 1989 Conference Location: Portland, OR, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)
Abstract: In the majority of research work done on logic programming and deductive databases, it is assumed that the set of **rules** defined by the **user** is consistent, i.e. that no contradictory facts can be inferred by the rules. The authors address the problem of **resolving conflicts** of **rules** that assign values to virtual attributes. They devise a general framework for the study of the problem, and propose an approach that subsumes all previously suggested solutions. Moreover, it suggests several additional solutions, which very often capture the semantics of the data more accurately than the known approaches. They also address the issue of how to index **rules** so that **conflicts** are **resolved** efficiently, i.e. only one of the applicable rules is processed at query time. (15 Refs)
Subfile: C
Descriptors: database management systems; expert systems; logic programming
Identifiers: conflict resolution; value assigning rules; rule indexing; logic programming; deductive databases; virtual attributes; general framework; semantics; query time
Class Codes: C6160 (Database management systems (DBMS)); C1230 (Artificial intelligence); C6170 (Expert systems); C6110 (Systems analysis and programming)

21/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04989055 E.I. No: EIP98044155206
Title: Network security: Locking in to policy
Author: Thayer, Rodney
Corporate Source: Sable Technology Corp, Boston, MA, USA
Source: Data Communications v 27 n 4 Mar 21 1998. p 77-80
Publication Year: 1998
CODEN: DACODM ISSN: 0363-6399
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review)
Journal Announcement: 9806W1
Abstract: Taking a look at network security, many network managers see it as something to be determined once, then filed away and forgotten. This is the reason why different **devices** implement different **rules** , and different groups work according to **conflicting policies** , which is hardly the best way to run a network. But network managers do not have to stick with this scattershot approach. The best way to lock onto security is to unify the various pieces of the policy puzzle. Policy is the allocation, revocation, and management of permission as a network resource to define who gets access to what. **Network** managers can define **policy** for a given resource by creating an entry in access control lists which are two-dimensional tables that map users to resources.
Descriptors: *Security of data; Public policy; Local area networks; Wide area networks; Network protocols; Computer workstations; Database systems; User interfaces; Cryptography; Data acquisition
Identifiers: Internet protocol (IP); Intranet; World wide web (WWW); Extranet; Remote access servers (RAS); Virtual private networks (VPN)
Classification Codes:
723.2 (Data Processing); 722.3 (Data Communication, Equipment & Techniques); 723.3 (Database Systems)
723 (Computer Software); 901 (Engineering Profession); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

21/5/5 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04132865 E.I. No: EIP95042662817
Title: Policy driven management for distributed systems
Author: Sloman, Morris
Corporate Source: Imperial Coll, London, Engl
Source: Journal of Network and Systems Management v 2 n 4 Dec 1994. p 333-360
Publication Year: 1994
CODEN: JNSMEG ISSN: 1064-7570
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review)
Journal Announcement: 9506W2
Abstract: Separating management policy from the automated managers which interpret the policy facilitates the dynamic change of behavior of a distributed management system. This permits it to adapt to evolutionary changes in the system being managed and to new application requirements. Changing the behavior of automated managers can be achieved by changing the policy without having to reimplement them - this permits the reuse of the managers in different environments. It is also useful to have a clear specification of the policy applying to human managers in an enterprise. This paper describes the work on policy which has come out of two related ESPRIT funded projects, SysMan and IDSM. Two classes of policy are elaborated - authorization policies define what a manager is permitted to do and obligation policies define what a manager must do. Policies are specified as objects which define a relationship between subjects (managers) and targets (managed objects). Domains are used to group the objects to which a policy applies. Policy objects also have attributes specifying the action to be performed and constraints limiting the applicability of the policy. We show how a number of example policies can be modeled using these objects and briefly mention issues relating to **policy** hierarchy and **conflicts** between overlapping **policies** . (Author abstract) 37 Refs.
Descriptors: *Distributed computer systems; Management information systems; Specifications; Data structures; Computer simulation; Computer networks; Supervisory personnel; Automation
Identifiers: Distributed systems management; **Network** management; Management **policy** ; Security **policy** ; **Policy conflicts** ; Access **rules** ; Domains; Automated managers; Authorization policy; Obligation policy
Classification Codes:
722.4 (Digital Computers & Systems); 912.2 (Management); 902.2 (Codes & Standards); 723.2 (Data Processing); 723.5 (Computer Applications); 722.3 (Data Communication, Equipment & Techniques)
722 (Computer Hardware); 912 (Industrial Engineering & Management); 902 (Engineering Graphics & Standards); 723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT); 90 (GENERAL ENGINEERING)

21/5/32 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

14196400 PASCAL No.: 99-0395982
A model for static conflict **analysis of management** policies **:** Network **distributed systems**
MAJIDIAN A
BT, Unknown
Journal: BT technology journal, 1999, 17 (2) 53-59
ISSN: 1358-3948 Availability: INIST-19873; 354000086034420040
No. of Refs.: 9 ref.
Document Type: P (Serial) ; A (Analytic)
Country of Publication: United Kingdom
Language: English
Management of today's distributed systems is becoming increasingly complex. There is an obvious requirement for a flexible mechanism to help manage such systems. Rule-based management is one such mechanism. However, in order for rule-based management to become widely usable a method is required by which **conflicts** between management **policies** (defined as rules) can be identified and resolved. This paper creates a set theoretic model for rules as a tri-tuple of the relationship between the subject, action and target of a policy, It also identifies two classes of policy set - syntactically easy policy set' (SEPS) and 'syntactically non-easy policy set' (SNEPS). SEPSs are policies which are sets of all the Cartesian products of its subjects, actions and targets, whereas SNEPSs are only a subset of that Cartesian product. Conflict analysis of SEPSs has been handled in other papers; this paper addresses conflict analysis of SNEPSs. A method for resolving conflict is suggested. The paper also raises some issues that arise when considering a database of policies.

English Descriptors: Distributed system; Theoretical model; Database; Distributed computing; Computer system; Software tool; System management; Object space

French Descriptors: Systeme reparti; Modele theorique; Base donnee; Calcul reparti; Systeme informatique; Outil logiciel; Analyse conflit statique; Politique gestion; Gestion systeme; Espace objet

Classification Codes: 001D02B04

21/5/34 (Item 1 from file: 99)

1286818 H.W. WILSON RECORD NUMBER: BAST96008992
Implementing policy in enterprise networks
Lewis, Lundy;
IEEE Communications Magazine v. 34 (Jan. '96) p. 50-5
DOCUMENT TYPE: Feature Article ISSN: 0163-6804 LANGUAGE: English
RECORD STATUS: New record

ABSTRACT: A framework for understanding and implementing policy in the management of enterprise networks is described. Policy management is needed in fault, performance, security, configuration, and accounting management. Consequently, a general policy framework is needed to direct the user in understanding and implementing policy in diverse management situations. The framework outlined comprises a domain space, a rule space, an action space, and a policy driver. The application of this framework can be illustrated in the design of a policy-based configuration manager (PCM). The PCM adds to the existing Spectrum Configuration Manager through the inclusion of mechanisms for defining **network** domains, defining configuration **policies** , applying policies to domains, and the inclusion of a policy driver to enforce configuration policies and to arbitrate among **conflicting policies** .
DESCRIPTORS: Network management;

```
Set     Items   Description
S1    7411452   POLICY OR POLICIES OR RULE? ?
S2      28345   (CONFLICT? ? OR CONFLICTING OR CLASH?? OR CLASHING OR COLL-
             ISION? ? OR DISCORD OR DISCREPANCY)(3N)S1
S3      66900   (MERGE?? OR MERGING OR COMBINE? ? OR COMBINATION OR COMBIN-
             ING OR INTO()ONE OR TOGETHER OR CONSOLIDATE? ? OR CONSOLIDATI-
             ON OR CONSOLIDATING OR SYNTHESIS?? OR SYNTHESISING)(3N)S1
S4       1548   (RESOLVE? ? OR RESOLVING OR RESOLUTION? ? OR SOLVE? ? OR S-
             OLUTION OR SOLVING)(5N)S2
S5      43514   EVENT()(MANAGEMENT OR HANDLING)
S6      63921   (NETWORK OR LOGON OR USER OR FIREWALL OR DEVICE? ?)(3N)S1
S7        135   S2 (30N) S3
S8         83   S7 NOT PY>2000
S9         62   RD (unique items)
S10       106   S2 (10N) S3
S11        65   S10 NOT PY>2000
S12        50   RD (unique items)
S13         3   S7 (30N) (S5 OR S6)
S14         0   S13 NOT PY>2000
S15        19   S4 (30N) (S5 OR S6)
S16        10   S15 NOT PY>2000
S17         6   RD (unique items)
S18         8   S4 (30N) S3
S19         4   S18 NOT PY>2000
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A fuzzy-nets training scheme for controlling nonlinear systems
Ko, Kuo-Cheng; Chen, Joseph C
Computers & Industrial Engineering v31n1,2 PP: 425-428 Oct 1996
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...ABSTRACT: generate fuzzy rules by given data sets which are feedback data from the system. Then, **conflicting rules** are **resolved** through bottom-up and top-down methodologies. In the 4th stage the **rules** are **combined** to generate a fuzzy rule base. Finally, an appropriate defuzzification methodology is defined for controlling...